**Homework 55** Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Prove Two Triangles are Congruent** Period:\_\_\_\_Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**AND GEOMETRY FINAL REVIEW PACKET #15-30!!!**

Failure to show all work and write in complete sentences will result in LaSalle!

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1) Complete the proof.  **GIVEN:** ***,*** *D* is the midpoint of AC  **PROVE:** Δ*AB*D ≅ Δ*CBD* | |  |  | | --- | --- | | **Statements** | **Reason** | | **1.** | **1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | | **2.** *D* is the midpoint of AC **.** | **2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | | 1. **\_\_\_\_\_\_** ≅ **\_\_\_\_\_\_** | **3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | | 1. **\_\_\_\_\_\_** ≅ **\_\_\_\_\_\_** | **4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | | 1. Δ*ABD* ≅ Δ*CBD* | **5. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | |
| 2) Write a proof  **GIVEN:**  and  **PROVE:** Δ*ABD* ≅Δ*CDB* |  |
| 3) Prove the following:  **Given:** CF bisects ∠*ACE*    **Prove:** |  |